

1. A method for coating an electric coil of a workpiece comprising the steps of:

a) directing a first heated gas flow to impinge on the workpiece, wherein the first heated gas flow first impinging the workpiece has a velocity of at least generally 500 feet per minute; and

5 b) applying a coating material to the electric coil of the workpiece.

2. The method of claim 1, wherein step a) is performed before step b).

3. The method of claim 1, wherein step a) is performed after step b).

4. The method of claim 1, wherein step a) is performed before and after step b).

5. The method of claim 1, wherein, in step a), the first heated gas flow first impinging the workpiece has a temperature between generally 200 degrees Fahrenheit and generally 400 degrees Fahrenheit.

6. The method of claim 1, wherein, in step a), the first heated gas flow first impinging the workpiece has a velocity between generally 500 feet per minute and generally 2500 feet per minute.

7. The method of claim 1, wherein the workpiece has a longitudinal axis, and wherein step a) directs the first heated gas flow substantially perpendicular to the longitudinal axis of the workpiece.

8. The method of claim 7 also including, during step a), the step of rotating the workpiece about the longitudinal axis.

9. The method of claim 1, wherein the coating material is a liquid comprising a resin, and wherein step b) includes trickling the coating material onto the electric coil of the workpiece.

10. The method of claim 1, also including, after step a) has ended, the step of directing a second heated gas flow to impinge on the workpiece, wherein the second heated gas flow first impinging the workpiece has a velocity of at least generally 500 feet per minute.

11. The method of claim 10, wherein the second heated gas flow first impinging the workpiece has substantially the same temperature and velocity as the first heated gas flow first impinging the workpiece.

12. The method of claim 1, wherein the first heated gas flow is a heated air flow.

13. A method for coating an electric coil of a workpiece having a longitudinal axis comprising the steps of:

- a) directing a first heated gas flow to impinge on the workpiece substantially perpendicular to the longitudinal axis of the workpiece; and
- b) applying a coating material to the electric coil of the workpiece.

14. The method of claim 1, wherein step a) is performed before step b).
15. The method of claim 1, wherein step a) is performed after step b).
16. The method of claim 1, wherein step a) is performed before and after step b).
17. The method of claim 13, also including, during step a), the step of rotating the workpiece about the longitudinal axis.
18. Apparatus for coating an electric coil of a workpiece comprising:
 - a) first means for directing a first heated gas flow to impinge on the workpiece, wherein the first heated gas flow first impinging the workpiece has a velocity of at least generally 500 feet per minute;
 - c) second means for applying a coating material to the electric coil of the workpiece; and
 - d) third means for relatively transporting the workpiece between the first means and the second means.
19. The apparatus of claim 18, wherein the first heated gas flow first impinging the workpiece has a temperature between generally 200 degrees Fahrenheit and generally 400 degrees Fahrenheit.
20. The apparatus of claim 18, wherein the first heated gas flow first impinging

the workpiece has a velocity between generally 500 feet per minute and generally 2500 feet per minute.

21. The apparatus of claim 18, wherein the second means includes a liquid-resin trickle dispenser.